

# EAST Search History

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	357	(anderson near3 daryl)   (corrigan near3 george)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 12:19
S2	269710	((digital\$2 near3 analog near3 convert\$3)   (("D/A"   D\$1to\$1A   "D-A") near3 convert\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 13:40
S3	89808	(pixel near3 (region\$1   section\$1   circuit\$3   area))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 14:09
S4	461501	(latch\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 12:23
S5	1315168	(shift\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 12:24
S6	32	(S2 with S3 with S4 with S5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 13:41
S7	284057	((digital\$2 near3 analog near3 convert\$3)   (("D/A"   D\$1to\$1A   "D-A") near3 convert\$3)   (DAC\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 17:18
S8	32	(S3 with S4 with S5 with S7)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 14:10
S9	0	S8 not S6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 13:42
S10	103579	(pixel near3 (region\$1   section\$1   circuit\$3   area   unit))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 16:18
S11	36	(S4 with S5 with S7 with S10)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 14:13

## EAST Search History

S12	4	S11 not S8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 14:10
S13	130	(S4 same S5 same S7 same S10)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 14:15
S14	94	S13 not (S11)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 14:15

## EAST Search History

S15	122	("20010005193"   "20020000969"   "20020003521"   "20020018131"   "20020021274"   "20020036611"   "20020039087"   "20020041266"   "20020057244"   "20020067327"   "20020089483"   "20020113763"   "20020130828"   "20030067632"   "20030071772"   "20030098875"   "20030103025"   "20030234755"   "20040085269"   "20040164322"   "20040183766"   "20040222955"   "20050078073"   "20060066765"   "20060098003"   "4432610"   "4636788"   "4752118"   "4752188"   "4773738"   "4996523"   "5091722"   "5125045"   "5200846"   "5225823"   "5247190"   "5339090"   "5349366"   "5376944"   "5424752"   "5471225"   "5479283"   "5483366"   "5515187"   "5600169"   "5608549"   "5642129"   "5673422"   "5699078"   "5712652"   "5771031"   "5793344"   "5798746"   "5818898"   "5841482"   "5854628"   "5907313"   "5945866"   "5945972"   "5977940"   "5990629"   "6078364"   "6115017"   "6115019"   "6165824"   "6246386"   "6256024"   "6259846"   "6274887"   "6333737"   "6335728"   "6335778"   "6344672"   "6344843"   "6356028"   "6366026"   "6380876"   "6384818"   "6392618"   "6433767"   "6433841"   "6441829"   "6445368"   "6456267"   "6496130"   "6535192"   "6542139"   "6545654"   "6545708"   "6549196"   "6556176"   "6563480"   "6564237"   "6579736"   "6580454"   "6583775"   "6611301"   "6621477"   "6630916"   "6636191"   "6636194"   "6664943"   "6670938"   "6683596"   "6693616"   "6703997"   "6730966"   "6731264"   "6731272"   "6738054"   "6747623"   "6750836"   "6753834"   "6765562"   "6774876"   "6775246").PN. OR ("6819317"   "6897932"   "6940482"   "6958741"   "6987496"   "6992652").PN. OR ("7224339"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/04 14:40
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## EAST Search History

S16	15	("20020089483"   "5339090"   "5945972"   "6333737"   "6384818").PN. OR ("6747623").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/04 16:16
S17	3506592	(latch\$3   hold\$3   memor\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/04 16:17
S18	108518	(pixel near\$3 (region\$1   section\$1   circuit\$3   area\$1   unit\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 17:19
S19	1213	(S17 with (inside   integrat\$3   with\$1in   contain\$3) with S18)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 16:26
S20	490	(S5 with (inside   integrat\$3   with\$1in   contain\$3) with S18)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 16:23
S21	133	(S7 with (inside   integrat\$3   with\$1in   contain\$3) with S18)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 16:23
S22	3	S19 & S20 & S21	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 16:30
S23	2914	(S17 with (inside   integrat\$3   with\$1in   contain\$3   "in") with S18)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 16:44
S24	1118	(S5 with (inside   integrat\$3   with\$1in   contain\$3   "in") with S18)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 16:29
S25	385	(S7 with (inside   integrat\$3   with\$1in   contain\$3   "in") with S18)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 16:29
S26	16	S23 & S24 & S25	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 16:30
S27	13	S26 not S22	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 16:32

## EAST Search History

S28	4519	(S17 with (inside   integrat\$3   with\$1in   contain\$3   "in"   includ\$3   compris\$3) with S18)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 16:46
S29	1689	(S5 with (inside   integrat\$3   with\$1in   contain\$3   "in"   includ\$3   compris\$3) with S18)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 16:47
S30	714	(S7 with (inside   integrat\$3   with\$1in   contain\$3   "in"   includ\$3   compris\$3) with S18)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 16:48
S31	39	(S28 & S29 & S30) not S26	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 16:54
S32	0	(each near3 pixel) with S17	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 17:14
S33	0	(each near3 pixel) with S5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 16:55
S34	0	(each near3 pixel) with S7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 16:57
S35	0	(each near5 pixel) with S7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 16:57
S36	0	(each near5 pixel) with S17	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 16:58
S37	1743	(every near5 pixel) with S17	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 17:02
S38	94	(every near5 pixel) with S7	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 17:02
S39	935	(every near5 pixel) with S5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 17:02

## EAST Search History

S40	1	S37 & S38 & S39	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 17:06
S41	25636	(pixel near3 unit)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 17:07
S42	2327	S17 with S41	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 17:07
S43	989	S5 with S41	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 17:07
S44	235	S7 with S41	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 17:08
S45	21	S42 & S43 & S44	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 17:08
S46	0	(each near3 pixel) same S17	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 17:14
S47	305923	((digital\$2 near3 analog near3 conver\$4)   (("D/A"   D\$1to\$1A   "D-A") near3 conver\$4)   (DAC\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 18:17
S48	119969	(pixel near3 (region\$1   section\$1   circuit\$3   area\$1   unit\$1   block\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 17:48
S49	213	(S5 same S17 same S47 same S48)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 18:54
S50	68	(S5 with S17 with S47 with S48)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 17:50
S51	594	345/90.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 17:33

## EAST Search History

S52	78996	(S5 & S17 & S47)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 17:35
S53	69	S51 & S52	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 17:35
S54	124839	(pixel near3 (region\$1   section\$1   circuit\$3   area\$1   unit\$1   block\$1   cell\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 17:53
S55	68	(S5 with S17 with S47 with S54)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 17:50
S56	63	(S47 near4 (with\$in   "in"   inside) near4 (S54   (display\$3 near3 (region   area   section))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 17:56
S57	63	S56 not S55	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 17:57
S58	48	S47 near3 (with\$1in   "in"   inside) near3 S54	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 18:46
S59	631	((driv\$3   control\$4) near3 circuit\$2) near3 (with\$1in   "in"   inside) near3 S54	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 18:48
S60	84111	"345"/\$!.cccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 18:48
S61	252	S59 & S60	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 18:49
S62	57	S52 & S61	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 18:49
S63	6526	(S5 same S17 same S47)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 18:55

## EAST Search History

S64	2523	(S5 with S17 with S47)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 19:04
S65	486560	((pixel   display\$3   (light near3 emit\$4)) near3 element)   pixel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 19:04
S66	217	S64 with (S54   S65)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 19:05
S67	145	S60 & S66	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/04 19:06
S68	4	((driv\$3   control\$4) near4 circuit\$2) near4 ("in"   inside   integrat\$3   with\$1in   locat\$3   position\$3   plac\$3) near4 ((each   every) near4 (pixel   (display near3 element))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 10:37
S69	7	((column   source   signal   data) near3 driv\$3) near4 ("in"   inside   integrat\$3   with\$1in   locat\$3   position\$3   plac\$3) near4 ((each   every) near4 (pixel   (display near3 element))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 11:53
S70	130	((column   source   signal   data) near3 driv\$3) with ("in"   inside   integrat\$3   with\$1in   locat\$3   position\$3   plac\$3) with ((each   every) near4 (pixel   (display near3 element))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 11:54
S71	122	S70 not (S68   S69)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 10:42
S72	34	((DAC\$1   "D/A"   "D-A"   "D-to-A"   "D to A"   (digital near2 analog)) with ("in"   inside   integrat\$3   with\$1in   locat\$3   position\$3   plac\$3) with ((each   every) near4 (pixel   (display near3 element))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 10:54



## EAST Search History

S73	3	((mini   minature   small) near4 ((column   source   signal   data) near3 driv\$3) same ("in"   inside   integrat\$3   with\$1in   locat\$3   position\$3   plac\$3) same ((each   every) near4 (pixel   (display near3 element))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 11:44
S74	1	((mini   minature   small) near4 ((control\$4   driv\$3) near3 (circuit\$3   element\$3)) same ("in"   inside   integrat\$3   with\$1in   locat\$3   position\$3   plac\$3) same ((each   every) near4 (pixel   (display near3 element))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 11:45
S75	8	((column   source   signal   data) near3 driv\$3) near4 ("in"   inside   integrat\$3   with\$1in   locat\$3   position\$3   plac\$3) near4 ((each   every   all   per) near4 (pixel   (display near3 element))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 11:53
S76	189	((column   source   signal   data) near3 driv\$3) with ("in"   inside   integrat\$3   with\$1in   locat\$3   position\$3   plac\$3) with ((each   every   all   per) near4 (pixel   (display near3 element))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 11:55
S77	59	S76 not (S70   S71)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 12:10
S78	4479	((light near3 emit\$4 near3 diode\$1)   OLED  (display\$3 near3 element\$1)   (pixel near3 (cell   structure   region   section   circuit\$2   area   unit   block))) near4 (includ\$3   compris\$3   consist\$3   integrat\$3) near5 ((driv\$3   control\$4) near4 circuit\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 12:19
S79	84184	"345"/\$!.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 12:18
S80	1261	S78 & S79	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 12:18

## EAST Search History

S81	168	((light near3 emit\$4 near3 diode\$1)   OLED  (display\$3 near3 element\$1)   (pixel near3 (cell   structure   region   section   circuit\$2   area   unit   block))) near4 (includ\$3   compris\$3   consist\$3   integrat\$3) near5 (DAC\$1   "D/A"   "D-A"   "D-to-A"   "D to A"   (digital near2 analog)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 12:24
S82	1789	((light near3 emit\$4 near3 diode\$1)   OLED  (display\$3 near3 element\$1)   (pixel near3 (cell   structure   region   section   circuit\$2   area   unit   block))) near4 (includ\$3   compris\$3   consist\$3   integrat\$3) near5 (latch\$3   hold\$3   memor\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 12:25
S83	335	((light near3 emit\$4 near3 diode\$1)   OLED  (display\$3 near3 element\$1)   (pixel near3 (cell   structure   region   section   circuit\$2   area   unit   block))) near4 (includ\$3   compris\$3   consist\$3   integrat\$3) near5 (shift\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 12:25
S84	2	S81 & S82 & S83	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 12:22
S85	178	((light near3 emit\$4 near3 diode\$1)   OLED  (display\$3 near3 element\$1)   (pixel near3 (cell   structure   region   section   circuit\$2   area   unit   block))) near4 (includ\$3   compris\$3   consist\$3   integrat\$3   locat\$3   co\$1locat\$3) near5 (DAC\$1   "D/A"   "D-A"   "D-to-A"   "D to A"   (digital near2 analog)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 12:24
S86	2136	((light near3 emit\$4 near3 diode\$1)   OLED  (display\$3 near3 element\$1)   (pixel near3 (cell   structure   region   section   circuit\$2   area   unit   block))) near4 (includ\$3   compris\$3   consist\$3   integrat\$3   locat\$3   co\$1locat\$3) near5 (latch\$3   hold\$3   memor\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 12:27

## EAST Search History

S87	385	((light near3 emit\$4 near3 diode\$1)   OLED  (display\$3 near3 element\$1)   (pixel near3 (cell   structure   region   section   circuit\$2   area   unit   block))) near4 (includ\$3   compris\$3   consist\$3   integrat\$3   locat\$3   co\$1locat\$3) near5 (shift\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 15:18
S88	2	S85 & S86 & S87	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 12:26
S89	21	S85 & S86	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 12:27
S90	43	("4773738"   "5091722"   "5200846"   "5225823"   "5349366"   "5424752"   "5471225"   "5479283"   "5642129").PN. OR ("5798746").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/05 13:22
S91	4834	stack\$3 near3 display\$1	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/05 13:37
S92	1698	345/7-9.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/05 13:37
S93	73988	mov\$3 near4 (display   screen)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/05 13:37
S94	495	S92 & S93	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/05 13:37
S95	975	mov\$3 near4 (display   screen) near4 forward	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/05 13:38
S96	9	S92 & S95	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/05 13:39
S97	68175	"345"/\$!.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/05 13:39
S98	148	S95 & S97	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/05 13:39

## EAST Search History

S99	80	("4090219"   "4432610"   "4451825"   "4769639"   "4808991"   "4843381"   "4921334"   "5012228"   "5023718"   "5068649"   "5077553"   "5081450"   "5093652"   "5122783"   "5122784"   "5126865"   "5128782"   "5172108"   "5185602"   "5204659"   "5225823"   "5245450"   "5278652"   "5313224"   "5396261"   "5459495"   "5469190"   "5471225"   "5476146"   "5488387"   "5521727"   "5528262"   "5534884"   "5537128"   "5566010"   "5583534"   "5798746"   "H001320").PN. OR ("5959598"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/05 14:00
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## EAST Search History

S10 0	109	( "20010005193"   "20020000969"   "20020003521"   "20020018029"   "20020018131"   "20020021274"   "20020021295"   "20020024054"   "20020024485"   "20020036604"   "20020036611"   "20020039087"   "20020041266"   "20020057244"   "20020067327"   "20020089483"   "20020113763"   "20020130828"   "20020167504"   "20030067632"   "20030071772"   "20030098875"   "20030103025"   "20030234755"   "20040085269"   "20040164322"   "20040183766"   "20040222955"   "4432610"   "4636788"   "4752118"   "4773738"   "4996523"   "5091722"   "5125045"   "5200846"   "5225823"   "5247190"   "5339090"   "5349366"   "5376944"   "5424752"   "5471225"   "5479283"   "5600169"   "5608549"   "5642129"   "5673422"   "5699078"   "5712652"   "5771031"   "5793344"   "5798746"   "5818898"   "5841482"   "5854628"   "5907313"   "5945866"   "5945972"   "5959598"   "5977940"   "5990629"   "6115019"   "6165824"   "6246386"   "6259846"   "6274887"   "6333737"   "6335728"   "6344672"   "6344843"   "6356028"   "6366026"   "6380876"   "6384818"   "6392618"   "6441829"   "6445368"   "6456267"   "6496130"   "6535192"   "6542139"   "6545654"   "6545708"   "6549196"   "6556176"   "6563480"   "6564237"   "6579736"   "6580454"   "6583775"   "6630916"   "6636191"   "6636194"   "6664943"   "6670938"   "6683596"   "6693616"   "6730966"   "6731264"   "6731272"   "6738054"   "6747623"   "6750836"   "6753834"   "6765562"   "6774876"   "6775246"   "6819317").PN. OR ("7227542"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/05 14:08
S10 1	21	( "5339090"   "5945972"   "5977940"   "5990988").PN. OR ("6333737"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/05 14:09

## EAST Search History

S10 2	17	("5111195"   "5170155"   "5332997"   "5339090"   "5448258"   "5739805"   "5771031"   "5793348"   "5923311"   "5945972"   "5977940"   "6005558"   "6169508"   "6297787"   "6333737"   "6339417"   "6642915").PN. OR ("7170485").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/05 14:15
S10 3	21	("5339090"   "5945972"   "5977940"   "5990988").PN. OR ("6333737"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/05 14:19
S10 4	2	("20020041266" "20020075208"). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/05 14:23
S10 5	1	"20050206631".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/05 14:23
S10 6	0	((light near3 emit\$4 near3 diode\$1)   OLED  (display\$3 near3 element\$1)   (pixel near3 (cell   structure   region   section   circuit\$2   area   unit   block))) near4 (includ\$3   compris\$3   consist\$3   integrat\$3   locat\$3   co\$1locat\$3) near5 (serial\$2 near3 shift\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 14:25
S10 7	30	((light near3 emit\$4 near3 diode\$1)   OLED  (display\$3 near3 element\$1)   (pixel near3 (cell   structure   region   section   circuit\$2   area   unit   block))) with (includ\$3   compris\$3   consist\$3   integrat\$3   locat\$3   co\$1locat\$3) with (serial\$2 near3 shift\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 14:37
S10 8	6	((shift\$3) near8 (digital near3 analog) near8 (latch\$3) near8 (pixel near3 (element   cell   structure   region   section   circuit\$2   area   unit   block   electrode)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 14:44
S10 9	6	((shift\$3) near8 (digital near3 analog) near8 (latch\$3   hold\$3   memor\$3) near8 (pixel near3 (element   cell   structure   region   section   circuit\$2   area   unit   block   electrode)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 14:45
S11 0	16	((shift\$3) near8 (digital near3 analog) with (latch\$3   hold\$3   memor\$3) with (pixel near3 (element   cell   structure   region   section   circuit\$2   area   unit   block   electrode)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 14:52

## EAST Search History

S11 1	10	S110 not S109	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 14:46
S11 2	2746	((shift\$3) & (digital near3 analog) with (latch\$3   hold\$3   memor\$3) & (pixel near3 (element   cell   structure   region   section   circuit\$2   area   unit   block   electrode)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 14:54
S11 3	267	((serial\$2 near3 shift\$3) & (digital near3 analog) with (latch\$3   hold\$3   memor\$3) & (pixel near3 (element   cell   structure   region   section   circuit\$2   area   unit   block   electrode)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 14:55
S11 4	267	S113 not (S110   S109   S108   S107)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 14:55
S11 5	267	S113 not (S111   S110   S109   S108   S107)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 14:55
S11 6	3	((serial\$2 near3 shift\$3) & (digital near3 analog) with (latch\$3   hold\$3   memor\$3) & (pixel near3 (element   cell   structure   region   section   circuit\$2   area   unit   block   electrode))).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:35
S11 7	5	((serial\$2 near3 shift\$3) & (digital near3 analog) with (latch\$3   hold\$3   memor\$3) & (pixel)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 14:58
S11 8	106	((shift\$3) & (digital near3 analog) with (latch\$3   hold\$3   memor\$3) & (pixel)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 14:59
S11 9	101	S118 not S117	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 14:59

## EAST Search History

S12 0	1	((light near3 emit\$4 near3 diode\$1)   OLED  (display\$3 near3 element\$1)   (pixel near3 (cell   structure   region   section   circuit\$2   area   unit   block))) near4 (includ\$3   compris\$3   consist\$3   integrat\$3   locat\$3   co\$1locat\$3) near5 (serial near4 shift\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/05 15:20
S12 1	1097	(xiao near3 wu)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:29
S12 2	0	((xiao near3 wu) near3 examiner)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:29
S12 3	0	((xiao near3 wu) near3 ex)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:28
S12 4	0	((xiao near3 wu) near3 examiner\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:29
S12 5	0	((xiao near3 wu) near5 examiner\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:29
S12 6	117710	(shift\$3 near3 register)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:31
S12 7	131	S121 & S126	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:31
S12 8	17760	(sub near3 pixel\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:31
S12 9	4	S127 & S128	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:31
S13 0	371	((shift\$3) with (per   each   every   all) with (pixel near3 (element\$1   cell\$1   structure\$1   region\$1   section\$1   circuit\$2   area\$1   unit\$1   block\$1   electrode\$1)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:40



## EAST Search History

S13 1	63	((DAC\$1   "D/A"   "D-A"   "D-to-A"   "D to A"   (digital near2 analog)) with (per   each   every   all) with (pixel near3 (element\$1   cell\$1   structure\$1   region\$1   section\$1   circuit\$2   area\$1   unit\$1   block\$1   electrode\$1))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:48
S13 2	1087	((latch\$3   memor\$3   hold\$3) with (per   each   every   all) with (pixel near3 (element\$1   cell\$1   structure\$1   region\$1   section\$1   circuit\$2   area\$1   unit\$1   block\$1   electrode\$1))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 14:45
S13 3	745	((shift\$3) with (per   each   every   all) with ((pixel   display\$3) near3 (element\$1   cell\$1   structure\$1   region\$1   section\$1   circuit\$2   area\$1   unit\$1   block\$1   electrode\$1))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 14:40
S13 4	156	((DAC\$1   "D/A"   "D-A"   "D-to-A"   "D to A"   (digital near2 analog)) with (per   each   every   all) with ((pixel   display\$3) near3 (element\$1   cell\$1   structure\$1   region\$1   section\$1   circuit\$2   area\$1   unit\$1   block\$1   electrode\$1))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:58
S13 5	2478	((latch\$3   memor\$3   hold\$3) with (per   each   every   all) with ((pixel   display\$3) near3 (element\$1   cell\$1   structure\$1   region\$1   section\$1   circuit\$2   area\$1   unit\$1   block\$1   electrode\$1))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:59
S13 6	1	S133 same S134 same S135	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:45
S13 7	1	S133 & S134 & S135	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:45
S13 8	2	S133 same S134	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:46
S13 9	2	S133 & S134	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:46

## EAST Search History

S14 0	84297	"345"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:47
S14 1	204	S133 & S140	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:47
S14 2	1	S134 & S141	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:47
S14 3	384356	(DAC\$1   "D/A"   "D-A"   "D-to-A"   "D to A"   (digital near2 analog))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:48
S14 4	4	S130 same S143	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:50
S14 5	69	S130 & S143	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:50
S14 6	1590	((shift\$3) with (inside   with\$1in   locat\$3   co\$1locat\$3) with ((pixel   display\$3) near3 (element\$1   cell\$1   structure\$1   region\$1   section\$1   circuit\$2   area\$1   unit\$1   block\$1   electrode\$1)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 14:46
S14 7	355	((DAC\$1   "D/A"   "D-A"   "D-to-A"   "D to A"   (digital near2 analog)) with (inside   with\$1in   locat\$3   co\$1locat\$3) with ((pixel   display\$3) near3 (element\$1   cell\$1   structure\$1   region\$1   section\$1   circuit\$2   area\$1   unit\$1   block\$1   electrode\$1)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:58
S14 8	7544	((latch\$3   memor\$3   hold\$3) with (inside   with\$1in   locat\$3   co\$1locat\$3) with ((pixel   display\$3) near3 (element\$1   cell\$1   structure\$1   region\$1   section\$1   circuit\$2   area\$1   unit\$1   block\$1   electrode\$1)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 11:59
S14 9	9	S146 & S147 & S148	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 12:01

## EAST Search History

S15 0	9	(S146 same S147) & S148	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 12:01
S15 1	5	(S146 same S148) & S147	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 12:02
S15 2	0	S151 not S149	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 12:02
S15 3	10	(S133   S146) & (S134   S147) & (S135   S148)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 12:06
S15 4	17	(S133   S146) & (S134   S147)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 12:05
S15 5	7	S154 not S153	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 12:05
S15 6	419	(S133   S146) & (S135   S148)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 12:06
S15 7	173	S156 & S140	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 12:06
S15 8	0	((("s/r") with (per   each   every   all) with ((pixel   display\$3) near3 (element\$1   cell\$1   structure\$1   region\$1   section\$1   circuit\$2   area\$1   unit\$1   block\$1   electrode\$1))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 14:41
S15 9	0	((("S/R") with (inside   with\$1in   locat\$3   co\$1locat\$3) with ((pixel   display\$3) near3 (element\$1   cell\$1   structure\$1   region\$1   section\$1   circuit\$2   area\$1   unit\$1   block\$1   electrode\$1))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 14:45

## EAST Search History

S16 0	582	((driv\$3   control\$3) near3 (circuit\$2   ic\$1)) with (per   each   every   all) with (pixel near3 (element\$1   cell\$1   structure\$1   region\$1   section\$1   circuit\$2   area\$1   unit\$1   block\$1   electrode\$1)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 14:46
S16 1	4616	((driv\$3   control\$3) near3 (circuit\$2   ic\$1)) with (inside   with\$1in   locat\$3   co\$1locat\$3) with ((pixel   display\$3) near3 (element\$1   cell\$1   structure\$1   region\$1   section\$1   circuit\$2   area\$1   unit\$1   block\$1   electrode\$1)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/07 14:46
S16 2	4	("20020041266" "20020075208"). PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/20 18:29
S16 3	2358244	(latch\$2   memor\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/20 19:09
S16 4	1319404	(shift\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/20 19:09
S16 5	403074	((digital near3 analog)   "DAC"   "D-A"   "D/A")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/20 19:10
S16 6	71758	(pixel near3 (section\$1   region\$1   area))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/20 19:11
S16 7	55066	((each   individual\$2   seperat\$3   single) near3 (pixel\$1   (display\$3 near3 element)   (light near3 diode\$1)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/20 19:14
S16 8	128460	S163 same S164 same3 same S167	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/20 19:13
S16 9	60077	((each   individual\$2   seperat\$3   single) near3 (pixel\$1   (display\$3 near3 element)   (light near3 diode\$1)   (optical\$2 near3 element)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/20 19:15

## EAST Search History

S17 0	2915	S163 with S164 with S165	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/20 19:15
S17 1	78743	((every   each   individual\$2   seperat\$3   single) near3 (pixel\$1   (display\$3 near3 element)   (light near3 diode\$1)   (optical\$2 near3 element)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 09:34
S17 2	6	S170 with S171	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/20 19:15
S17 3	2360550	(latch\$2   memor\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 09:24
S17 4	1320563	(shift\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 09:24
S17 5	403554	((digital near3 analog)   "DAC"  "D-A"   "D/A")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 09:24
S17 6	2917	S173 with S174 with S175	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 09:24
S17 7	71899	(pixel near3 (section\$1   region\$1   area))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 09:26
S17 8	2410	(sub\$1pixel\$1 near3 (section\$1   region\$1   area))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 09:26
S17 9	13	S176 & S178	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 09:26

## EAST Search History

S18 0	24	("5534883"   "5543958"   "5576723"   "5638199"   "5689321"   "5815228"   "6035180"   "6115016"   "6131046"   "6175353"   "6184955"   "6219119"   "6232937"   "6285422"   "6300989"   "6315440"   "6317180"   "6347882"   "6424326"   "6452577"   "6466783"   "6504589"   "6724354"   "6763247").PN. OR ("7038641"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/21 09:32
S18 1	15966	((every   each   individual\$2   seperat\$3   single   per) near3 (sub\$1pixel\$1   (display\$3 near3 element)   (light near3 diode\$1)   (optical\$2 near3 element)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 09:35
S18 2	37	S176 & S181	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 09:35
S18 3	35	S182 not S179	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 09:35
S18 4	21	("4300137"   "4952032"   "5164853"   "5189500"   "5767924"   "5808719").PN. OR ("6014193"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/21 09:45
S18 5	5724	(345/76,90,204,205).ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 22:13
S18 6	15966	((every   each   individual\$2   seperat\$3   single   per) near3 (sub\$1pixel\$1   (display\$3 near3 element)   (light near3 diode\$1)   (optical\$2 near3 element)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 22:14
S18 7	21407	((every   each   individual\$2   seperat\$3   single   per) near3 (sub\$1pixel\$1   ((display\$3   picture   optical) near3 element)   (light near3 diode\$1)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 22:14
S18 8	2360550	(latch\$2   memor\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 22:15
S18 9	1320563	(shift\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 22:15

## EAST Search History

S19 0	403554	((digital near3 analog)   "DAC"  "D-A"   "D/A")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 22:15
S19 1	2917	S188 with S189 with S190	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 22:16
S19 2	51	S187 & S191	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 22:18
S19 3	9	S185 & S192	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/06/21 22:19